

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 58173629  
PUBLICATION DATE : 12-10-83

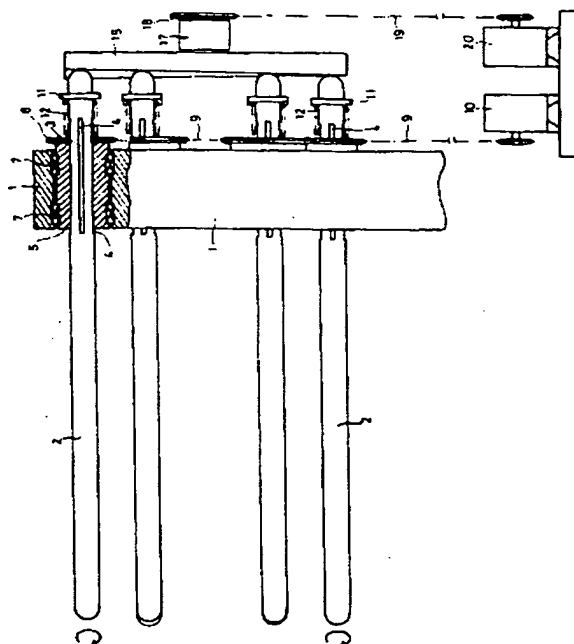
APPLICATION DATE : 06-04-82  
APPLICATION NUMBER : 57057618

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INT.CL. : B29D 23/12

TITLE : METHOD AND APPARATUS FOR  
PREPARATION OF HOSE



ABSTRACT : PURPOSE: To make it possible to form a hose, even if it is long, without trouble in forming a hose by winding a tape of synthetic resin in layers and causing them to bind together by such an arrangement wherein plural forming rolls of imaginary cylindrical shape are caused to forward and then return in sequence.

CONSTITUTION: A cylindrical surface is formed by 6 pieces of rod-like forming roll 2 which are collectively installed to a case body 1 so that they are protruded horizontally from its front surface. Each forming roll 2 is engraved with a spline groove 4 and caused to rotate around its axis by the drive of a sprocket 8 in the same direction at the same speed. Each forming roll 2 which is pushed backward by the force of a spring 12 is caused to forward and then return in sequence by the rotation of a spiral cam 15 driven by a sprocket 18 and it causes a tape of resin to move forward by the amount of 1 pitch for every turn, and by this method, the forming of a hose, even if it is long, becomes possible by winding a tape of synthetic resin in layers and causing them to bind together at their sides without trouble. By this arrangement, a long hose can be formed without any trouble.

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